

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 2060.0140000/EKS/HCC/M-M	APPLICATION NO. 09/458,299
	APPLICANT FIKES et al.	
	FILING DATE December 10, 1999	GROUP 1644

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
MD	AA1	5,200,320	04/06/1993	Sette et al.			<del>12/07/1987</del>
MD	AB1	5,503,829	04/02/1996	Ladant et al.			<del>11/07/1994</del>
MD	AC1	5,662,907	09/02/1997	Kubo et al.			<del>01/25/1994</del>
MD	AD1	6,034,214	03/07/2000	Boon et al.			<del>12/13/1994</del>
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MD	AL1	EP 0 044 710 A1	01/27/1982	Europe			Yes No
<del>MD</del>	<del>AM1</del>	<del>EP 0 226 513 A1</del>	<del>06/24/1987</del>	<del>Europe</del>			<del>Yes No</del>
MD	AN1	WO 92/02543 A1	02/20/1992	WIPO			Yes No
MD	AO1	WO 92/12996 A2	08/06/1992	WIPO			Yes No
MD	AP1	WO 92/21033 A1	11/26/1992	WIPO Abstract only			Yes X No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MD	AR	1	Aichele, P., et al., "Antiviral cytotoxic T cell response induced by in vivo priming with a free synthetic peptide," J. Exp. Med. 171:1815-1820, Rockefeller University Press (1990)
MD	AS	1	Alexander, J., et al., "Derivation of HLA-A11/K <sup>b</sup> Transgenic Mice. Functional CTL Repertoire and Recognition of Human A11-Restricted CTL Epitopes," J. Immunol. 159:4753-4761, The American Association of Immunologists (November 1997)
MD	AT	1	Bergmann, C.C., et al., "Differential Effects of Flanking Residues on Presentation of Epitopes from Chimeric Peptides," J. Virol. 68:5306-5310, American Society for Microbiology (August 1994)

EXAMINER	MARIANNE DIBRINO, Ph.D. MD	DATE CONSIDERED	6/10/04
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MD	AL2	WO 93/03764 A1	03/04/1993	WIPO	<div style="font-size: 4em; transform: rotate(45deg); position: relative; top: -50%; left: -50%;">X</div>	<div style="font-size: 4em; transform: rotate(45deg); position: relative; top: -50%; left: -50%;">X</div>	Yes
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MD	AM2	WO 94/03205 A1	02/17/1994	WIPO			Yes
							No
MD	AN2	WO 94/11738 A1	05/26/1994	WIPO Abstract only			Yes
					No		
MD	AO2	WO 94/20127 A1	09/15/1994	WIPO			Yes
							No
MD	AP2	WO 96/03140 A1	02/08/1996	WIPO			Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
MD	AR	2	Bertoni, R., et al., "Human Histocompatibility Leukocyte Antigen-binding Supermotifs Predict Broadly Cross-reactive Cytotoxic T Lymphocyte Responses in Patients with Acute Hepatitis," <i>J. Clin. Invest.</i> 100:503-513, The American Society for Clinical Investigation, Inc. (August 1997)
MD	AS	2	Bertoni, R., et al., "Human Class I Supertypes and CTL Repertoires Extend to Chimpanzees," <i>J. Immunol.</i> 161:4447-4455, American Association of Immunologists (October 1998)
MD	AT	2	Bjorkman, P.J., et al., "Structure of the human class I histocompatibility antigen, HLA-A2," <i>Nature</i> 329:506-512, Macmillan Publishers, Ltd. (1987)

EXAMINER MARIANNE DIBRINO, Ph.D.	DATE CONSIDERED 1/10/01
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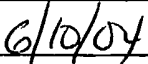
  

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	3	Bjorkman, P.J., et al., "The foreign antigen binding site and T cell recognition regions of class I histocompatibility antigens," <i>Nature</i> 329:512-518, Macmillan Publishers, Ltd. (1987)
	AS	3	Buus, S., et al., "Autologous Peptides Constitutively Occupy the Antigen Binding Site on Ia," <i>Science</i> 242:1045-1047, American Association for the Advancement of Science (1988)
	AT	3	Carreno, B.M., et al., "HLA-B37 and HLA-A2.1 molecules bind largely nonoverlapping sets of peptides," <i>Proc. Natl. Acad. Sci. USA</i> 87:3420-3424, National Academy Press (1990)

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
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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	4	Corr. M., <i>et al.</i> , "Endogenous Peptides of a Soluble Major Histocompatibility Complex Class I Molecule, H-2L <sub>1</sub> : Sequence Motif, Quantitative Binding, and Molecular Modeling of the Complex," <i>J. Exp. Med.</i> 176:1681-1692, Rockefeller University Press (December 1992)
	AS	4	De Bruijn, M.L.H., <i>et al.</i> , "Peptide loading of empty major histocompatibility complex molecules on RMA-S cells allows the induction of primary cytotoxic T lymphocyte responses," <i>Eur. J. Immunol.</i> 21:2963-2970, VCH Verlagsgesellschaft mbH (1991)
	AT	4	Del Val, M., <i>et al.</i> , "Efficient Processing of an Antigenic Sequence for Presentation by MHC Class I Molecules Depends on Its Neighboring Residues in the Protein," <i>Cell</i> 66:1145-1153, Cell Press (1991)

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MARIANNE DIBRINO, Ph.D.

DATE CONSIDERED

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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MO	AR	<u>5</u>	Deres, K., et al., "In vivo priming of virus-specific cytotoxic T lymphocytes with synthetic lipopeptide vaccine," <i>Nature</i> 342:561-564, Macmillan Publishers, Ltd. (1989)
MO	AS	<u>5</u>	DiBrino, M., et al., "HLA-A1 and HLA-A3 T Cell Epitopes Derived from Influenza Virus Proteins Predicted from Peptide Binding Motifs," <i>J. Immunol.</i> 151:5930-5935, The Association of Immunologists (December 1993)
MO	AT	<u>5</u>	DiBrino, M., et al., "Endogenous peptides bound to HLA-A3 possess a specific combination of anchor residues that permit identification of potential antigenic peptides," <i>Proc. Natl. Acad. Sci. USA</i> 90:1508-1512, National Academy Press (February 1993)

EXAMINER	MARIANNE DIBRINO, Ph.D.	DATE CONSIDERED	6/10/04
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
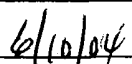
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	AR	6	Ding, Y.-H., et al., "Two Human T Cell Receptors Bind in a Similar Diagonal Mode to the HLA-A2/Tax Peptide Complex Using Different TCR Amino Acids," <i>Immunity</i> 8:403-11, Cell Press (April 1998)
	AS	6	Eisenlohr, L.C., et al., "Flanking Sequences Influence the Presentation of an Endogenously Synthesized Peptide to Cytotoxic T Lymphocytes," <i>J. Exp. Med.</i> 175:481-487, The Rockefeller University Press (February 1992)
	AT	6	Engelhard, V.H., "Structure of peptides associated with MHC Class I molecules," <i>Curr. Opin. Immunol.</i> 6:13-23, Current Biology, Ltd. (February 1994)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	2	Falk, K., et al., "Allele-specific motifs revealed by sequencing of self-peptides eluted from MHC molecules," <i>Nature</i> 351:290-296, Macmillan Publishers, Ltd. (1991)				
	AS	2	Falk, K., et al., "MHC peptide motif register. Peptide motifs of HLA-B35 and -B37 molecules," <i>Immunogenetics</i> 38:161-162, Springer-Verlag (April 1993)				
	AT	2	Falk, K., et al., "Allele-specific peptide ligand motifs of HLA-C molecules," <i>Proc. Natl. Acad. Sci. USA</i> 90:12005-12009, National Academy Press (December 1993)				

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	8	Falk, K., et al., "Pool sequencing of natural HLA-DR, DQ, and DP ligands reveals detailed peptide motifs, constraints of processing, and general rules," <i>Immunogenetics</i> 39:230-242, Springer-Verlag (February 1994)
	AS	8	Falk, K., et al., "Peptide motifs of HLA-A1, -A11, -A31, and -A33 molecules," <i>Immunogenetics</i> 40:238-241, Springer-Verlag (July 1994)
	AT	8	Foon, K.A., "Biological Response Modifiers: The New Immunotherapy," <i>Cancer Res.</i> 49:1621-1639, American Association for Cancer Research (1989)

EXAMINER MARIANNE DIDRINO, Ph.D.	DATE CONSIDERED 6/10/04
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

MD	AR	2	Geysen, H.M., <i>et al.</i> , "Cognitive Features of Continuous Antigenic Determinants," <i>J. Mol. Recognit.</i> 1:32-41, Heyden & Sons, Ltd. (1988)
MD	AS	2	Guo, H.-C., <i>et al.</i> , "Different length peptides bind to HLA-Aw68 similarly at their ends but bulge out in the middle," <i>Nature</i> 360:364-366, Macmillan Publishers, Ltd. (November 1992)
MD	AT	2	Henderson, R.A., <i>et al.</i> , "HLA-A2.1-Associated Peptides from a Mutant Cell Line: A Second Pathway of Antigen Presentation," <i>Science</i> 255:1264-1266, American Association for the Advancement of Science (March 1992)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	10	Hill, A., <i>et al.</i> , "Characterization of two Epstein-Barr virus epitopes restricted by HLA-B7," <i>Eur. J. Immunol.</i> 25:18-24, VCH Verlagsgesellschaft mbH (January 1995)				
	AS	10	Hunt, D.F., <i>et al.</i> , "Characterization of Peptides Bound to the Class I MHC Molecule HLA-A2.1 by Mass Spectrometry," <i>Science</i> 255:1261-1263, American Association for the Advancement of Science (March 1992)				
	AT	10	Ishioka, G.Y., <i>et al.</i> , "Utilization of MHC Class I Transgenic Mice for Development of Minigene DNA Vaccines Encoding Multiple HLA-Restricted CTL Epitopes," <i>J. Immunol.</i> 162:3915-3925, The American Association of Immunologists (April 1999)				

EXAMINER MATHIAS DEBONO, Ph.D.  DATE CONSIDERED 6/10/04

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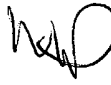


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	AR	<u>11</u>	Jameson, S.C., and Bevan, M.J., "Dissection of major histocompatibility complex (MHC) and T cell receptor contact residues in a K <sup>B</sup> -restricted ovalbumin peptide and an assessment of the predictive power of MHC-binding motifs," <i>Eur. J. Immunol.</i> 22:2663-2667, VCH Verlagsgesellschaft mbH (October 1992)
	AS	<u>11</u>	Jardetzky, T.S., et al., "Identification of self peptides bound to purified HLA-B27," <i>Nature</i> 353:326-329, Macmillan Publishers, Ltd. (1991)
	AT	<u>11</u>	Kannagi, M., et al., "Target Epitope in the Tax Protein of Human T-Cell Leukemia Virus Type I Recognized by Class I Major Histocompatibility Complex-Restricted Cells," <i>J. Virol.</i> 66:2928-2933, American Society for Microbiology (May 1992)

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
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	AR	<u>12</u>	Kast, W.M., <i>et al.</i> , "Protection against lethal Sendai virus infection by <i>in vivo</i> priming of virus-specific cytotoxic T lymphocytes with a free synthetic peptide," <i>Proc. Natl. Acad. Sci. USA</i> 88:2283-2287, National Academy Press (1991)
	AS	<u>12</u>	Kast, W.M., <i>et al.</i> , "Strict peptide length is not required for the induction of cytotoxic T lymphocyte-mediated antiviral protection by peptide vaccination," <i>Eur. J. Immunol.</i> 23:1189-1192, VCH Verlagsgesellschaft mbH (May 1993)
	AT	<u>12</u>	Krieger, J.I., <i>et al.</i> , "Single amino acid changes in DR and antigen define residues critical for peptide-MHC binding and T cell recognition," <i>J. Immunol.</i> 146:2331-2340, American Association of Immunologists (1991)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>13</u>	Lipford, G.B., <i>et al.</i> , "Primary in Vivo Responses to Ovalbumin. Probing the Predictive Value of the K <sup>B</sup> Binding Motif," <i>J. Immunol.</i> 150:1212-1222, The American Association of Immunologists (February 1993)
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	AT	<u>13</u>	Maryanski, J.L., <i>et al.</i> , "Competitor Analogs for Defined T Cell Antigens: Peptides Incorporating a Putative Binding Motif and Polyproline or Polyglycine Spacers," <i>Cell</i> 60:63-72, Cell Press (1990)

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DATE CONSIDERED



6/10/99

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 2060.0140000/EKS/HCC/M-M	APPLICATION NO. 09/458,299
	APPLICANT FIKES et al.	
	FILING DATE December 10, 1999	GROUP 1644




## U.S. PATENT DOCUMENTS

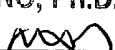
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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>14</u>	Morrison, J., et al., "Identification of the nonamer peptide from influenza A matrix protein and the role of pockets of HLA-A2 in its recognition by cytotoxic T lymphocytes," <i>Eur. J. Immunol.</i> 22:903-907, VCH Verlagsgesellschaft mbH (April 1992)
	AS	<u>14</u>	Niedermann, G., et al., "The proteolytic fragments generated by vertebrate proteasomes: Structural relationships to major histocompatibility complex class I binding peptides," <i>Proc. Natl. Acad. Sci. USA</i> 93:8572-8577, National Academy Press (August 1996)
	AT	<u>14</u>	Ochoa-Garay, J., et al., "The ability of peptides to induce cytotoxic T cells in vitro does not strongly correlate with their affinity for the H-2L <sup>d</sup> molecule: implications for vaccine design and immunotherapy," <i>Mol. Immunol.</i> 34:273-281, Elsevier Science, Ltd. (February 1997)

EXAMINER MARIANNE DIDRICK, Ph.D. 	DATE CONSIDERED 6/10/04
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FORM PTO-1449

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>15</u>	Pamer, E.G., <i>et al.</i> , "Precise prediction of a dominant class I MHC-restricted epitome of <i>Listeria monocytogenes</i> ," <i>Nature</i> 353:852-855, Macmillan Publishers, Ltd. (1991)
	AS	<u>15</u>	Parham, P., <i>et al.</i> , "The Origins of HLA-A,B,C Polymorphism," <i>Immunol. Rev.</i> 143:141-180, Munksgaard (February 1995)
	AT	<u>15</u>	Parker, K.C., <i>et al.</i> , "Peptide Binding to HLA-A2 and HLA-B27 Isolated from <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 267:5451-5459, American Society for Biochemistry and Molecular Biology, Inc. (March 1992)

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DATE CONSIDERED


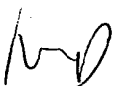

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
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	16	Parker, K.C., et al., "Sequence motifs important for peptide binding to the human MHC class I molecule, HLA-A2," <i>J. Immunol.</i> 149:3580-3587, American Association of Immunologists (December 1992)
	AS	16	Rammensee, H.-G., et al., "Peptides Naturally Presented by MHC Class I Molecules," <i>Annu. Rev. Immunol.</i> 11:213-244, Annual Reviews, Inc. (January 1993)
	AT	16	Rammensee, H.-G., et al., "MHC ligands and peptide motifs: first listing," <i>Immunogenetics</i> 41:178-228, Springer-Verlag (February 1995)

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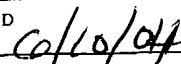
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>17</u>	Reddehase, M.J., et al., "A pentapeptide as minimal antigenic determinant for MHC class I-restricted T lymphocytes," <i>Nature</i> 337:651-653, Macmillan Publishers, Ltd. (1989)
	AS	<u>17</u>	Romero, P., et al., "H-2K <sup>d</sup> -restricted Antigenic Peptides Share a Simple Binding Motif," <i>J. Exp. Med.</i> 174:603-612, Rockefeller University Press (1991)
	AT	<u>17</u>	Rothbard, J.B., "Major histocompatibility complex-peptide interactions," <i>Curr. Opin. Immunol.</i> 2:99-105, Current Biology, Ltd. (1989)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	18	Röttschke, O., et al., "Isolation and analysis of naturally processed viral peptides as recognized by cytotoxic T cells," <i>Nature</i> 348:252-254, Macmillan Publishers, Ltd. (1990)
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	AT	18	Röttschke, O., and Falk, K., "Naturally-occurring peptide antigens derived from the MHC class-I-restricted processing pathway," <i>Immunol. Today</i> 12:447-455, Elsevier Science Publishers, Ltd. (1991)

EXAMINER <span style="float: right;">MARIANNE DIBRINO, Ph.D. </span>	DATE CONSIDERED <span style="float: right;">6/10/04</span>
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	19	Rotzschke, O., et al., "Peptide motifs of closely related HLA class I molecules encompass substantial differences," <i>Eur. J. Immunol.</i> 22:2453-2456, VCH Verlagsgesellschaft mbH (September 1992)
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	AT	19	Rudinger, J., "Characteristics of the amino acids as components of a peptide hormone sequence," in <i>Peptide Hormones</i> , Parsons, J.A., ed., University Park Press, Baltimore, MD, pp.1-7 (1976)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	20	Ruppert, J., et al., "Prominent Role of Secondary Anchor Residues in Peptide Binding to HLA-A2.1 Molecules," <i>Cell</i> 74:929-937, Cell Press (September 1993)
	AS	20	Schulz, M., et al., "Major histocompatibility complex binding and T cell recognition of a viral nonapeptide containing a minimal tetrapeptide," <i>Eur. J. Immunol.</i> 21:1181-1185, VCH Verlagsgesellschaft mbH (1991)
	AT	20	Sette, A., et al., "Prediction of major histocompatibility complex binding regions of protein antigens by sequence pattern analysis," <i>Proc. Natl. Acad. Sci. USA</i> 86:3296-3300, National Academy Press (1989)

EXAMINER MARIANNE LIBRINO, Ph.D.		DATE CONSIDERED 6/10/04
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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	21	Sette, A., et al., "Random association between the peptide repertoire of A2.1 class I and several different DR class II molecules," <i>J. Immunol.</i> 147:3893-3900, The American Association of Immunologists (1991)
	AS	21	Sette, A., et al., "The Relationship Between Class I Binding Affinity and Immunogenicity of Potential Cytotoxic T Cell Epitopes," <i>J. Immunol.</i> 153:5586-5592, The American Association of Immunologists (December 1994)
	AT	21	Shastri, N., et al., "Presentation of Endogenous Peptide/MHC Class I Complexes Is Profoundly Influenced by Specific C-Terminal Flanking Residues," <i>J. Immunol.</i> 155: 4339-4346, The American Association of Immunologists (November 1995)

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	AP						Yes No

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	AR	<u>22</u>	Sherman, L.A., et al., "Extracellular Processing of Peptide Antigens That Bind Class I Major Histocompatibility Molecules," J. Exp. Med. 175:1221-1226, The Rockefeller University Press (May 1992)				
	AS	<u>22</u>	Shimojo, N., et al., "Specificity of peptide binding by the HLA-A2.1 molecule," J. Immunol. 143:2939-2947, The American Association of Immunologists (1989)				
	AT	<u>22</u>	Sidney, J., et al., "Several HLA Alleles Share Overlapping Peptide Specificities," J. Immunol. 154:247-259, The American Association of Immunologists (January 1995)				

EXAMINER	MARIANNE DIBRINO, Ph.D. 	DATE CONSIDERED	6/10/04
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	AR	<u>23</u>	Threlkeld, S.C., et al., "Degenerate and Promiscuous Recognition by CTL of Peptides Presented by the MHC Class I A3-like Superfamily. Implications for Vaccine Development," <i>J. Immunol.</i> 159:1648-1657, The American Association of Immunologists (August 1997)
	AS	<u>23</u>	Wentworth, P.A., et al., "Differences and similarities in the A2.1-restricted cytotoxic T cell repertoire in humans and human leukocyte antigen-transgenic mice," <i>Eur. J. Immunol.</i> 26:97-101, VCH Verlagsgesellschaft mbH (January 1996)
	AT	<u>23</u>	Whitton, J.L., et al., "Molecular Analyses of a Five-Amino-Acid Cytotoxic T-Lymphocyte (CTL) Epitope: an Immunodominant Region Which Induces Nonreciprocal CTL Cross-Reactivity," <i>J. Virol.</i> 63:4303-4310, American Society for Microbiology (1989)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	24	Yewdell, J.W., and Bennink, J.R., "Cell Biology of Antigen Processing and Presentation to Major Histocompatibility Complex Class I Molecule-Restricted T Lymphocytes," <i>Adv. Immunol.</i> 52:1-123, Academic Press (July 1992)
	AS	24	York, I.A., and Rock, K.L., "Antigen processing and presentation by the class I major histocompatibility complex," <i>Annu. Rev. Immunol.</i> 14:369-396, Annual Reviews, Inc. (April 1996)
	AT	24	Zhang, Q-J., et al., "An HLA-A11-specific motif in nonamer peptides derived from viral and cellular proteins," <i>Proc. Natl. Acad. Sci. USA</i> 90:2217-2221, National Academy Press (March 1993)

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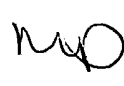
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	AR	25	Parker, K.C., et al., "Scheme for Ranking Potential HLA-A2 Binding Peptides Based on Independent Binding of Individual Peptide Side-Chains," J. Immunol. 152:163-175, The American Association of Immunologists (January 1994)
	AS	25	<del>Dialog File 351, Accession No. 7180926, Derwent WPI English language abstract for EP 0 226 513.</del>
	AT	25	Dialog File 351, Accession No. 9263567, Derwent WPI English language abstract for WO 92/21033.

Abstract may 1992

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EXAMINER

MARIANNE DIBRINO, Ph.D. *MD*

DATE CONSIDERED




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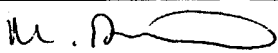
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449  FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 2060.0140000/EKS/HCC/M-M	APPLICATION NO. 09/458,299
	APPLICANT FIKES et al.	
	FILING DATE December 10, 1999	GROUP 1644

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	27	Kawashima, I., et al., "The Multi-epitope Approach for Immunotherapy for Cancer: Identification of Several CTL Epitopes from Various Tumor-Associated Antigens Expressed on Solid Epithelial Tumors," <i>Hum. Immunol.</i> 59:1-14, Elsevier Science, Inc. (January 1998)
	AS	27	Kawashima, I., et al., "Identification of HLA-A3-restricted Cytotoxic T Lymphocyte Epitopes from Carcinoembryonic Antigen and HER-2/neu by Primary in Vitro Immunization with Peptide-pulsed Dendritic Cells," <i>Cancer Res.</i> 59:431-435, American Association for Cancer Research (January 1999)
	AT	27	Knuth, A., et al., "Cellular and humoral immune responses against cancer: implications for cancer vaccines," <i>Curr. Opin. Immunol.</i> 3:659-664, Current Biology, Ltd. (1991)

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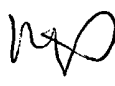


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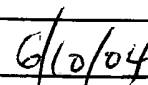
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	AR	<u>28</u>	Lustgarten, J., et al., "Identification of Her-2/Neu CTL Epitopes Using Double Transgenic Mice Expressing HLA-A2.1 and Human CD.8," <i>Hum. Immunol.</i> 52:109-118, Elsevier Science, Inc. (February 1997)
	AS	<u>28</u>	Toes, R.E.M., et al., "Enhancement of Tumor Outgrowth Through CTL Tolerization After Peptide Vaccination Is Avoided by Peptide Presentation on Dendritic Cells," <i>J. Immunol.</i> 160:4449-4456, The American Association of Immunologists (May 1998)
	AT	<u>28</u>	Copy of co-pending U.S. application 08/205,713, inventor Grey, filed March 4, 1994 (NOT PUBLISHED).

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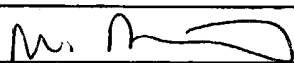
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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MO	AE1	5,783,567	07/21/1998	Hedley et al.			01/22/1997
MO	AF1	5,876,712	03/02/1999	Cheever et al.			06/06/1995
MO	AG1	6,037,135	03/14/2000	Kubo et al.			11/29/1993
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MO	AI1	2002/0168374 A1	11/14/2002	Kubo et al.			03/20/1997
MO	AJ1	2002/0177694 A1	11/28/2002	Sette et al.			02/03/1998
MO	AK1	2002/0098197 A1	07/25/2002	Sette et al.			05/30/1995

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	AR		
MO	AS	26	Boon, T., "Tumor antigens recognized by cytolytic T lymphocytes: present perspectives for specific immunotherapy," <i>Int. J. Cancer</i> 54:177-180, Wiley-Liss, Inc. (May 1993)
MO	AT	26	Cotran, R.S., et al., "Neoplasia," in <i>Robbins Pathologic Basis of Disease</i> , 4 <sup>th</sup> ed., W.B. Saunders Staff, ed., W.B. Saunders Company, Philadelphia, PA, pp. 296-299 (1989)

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>29</u>	Copy of co-pending U.S. application 08/344,824, inventors Sette et al., filed November 23, 1994 (NOT PUBLISHED).
	AS	<u>29</u>	Copy of co-pending U.S. application 08/347,610, inventors Kubo et al., filed December 1, 1994 (NOT PUBLISHED).
	AT	<u>29</u>	Copy of co-pending U.S. application 09/017,524, inventors Kubo et al., filed February 3, 1998 (NOT PUBLISHED).

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	AR	30	Copy of co-pending U.S. application 10/149,138, inventors Fikes et al., filed December 11, 2002 (NOT PUBLISHED).
	AS		
	AT		

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